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CONTACT INFORMATION	Department of Political Science Thompson Hall, 200 Hicks Way University of Massachusetts–Amherst Amherst, MA 01003	Phone: (413) 545-2438 jhgross@umass.edu
EDUCATION	<b>Carnegie Mellon University</b> , Pittsburgh, PA, USA	
	Ph.D., Statistics and Public Policy	May 2010
	<ul style="list-style-type: none"> <li>• Dissertation Title: “Cues and Heuristics on Capital Hill: Relational Decision-Making in the United States Senate”</li> <li>• Committee: Stephen E. Fienberg (<i>co-chair</i>), David Krackhardt (<i>co-chair</i>), Jennifer N. Victor, Cosma R. Shalizi</li> </ul>	
	M.Phil., Public Policy and Management	May 2007
	M.S., Statistics	May 2006
	<b>Salem State College</b> , Salem, MA, USA	
	M.S., Mathematics (with honors)	May 2004
	<b>Brown University</b> , Providence, RI, USA	
	A.B., Latin American Studies (with honors & summa cum laude)	May 1995
PROFESSIONAL EXPERIENCE	<b>University of Massachusetts–Amherst</b> , Assistant Professor	September 2015–present
	<b>University of North Carolina at Chapel Hill</b> , Assistant Professor	January 2010–June 2015
	<b>Carnegie Mellon University, Heinz College</b> , Instructor	Summer 2007–Spring 2009
	<b>Salem State College</b> , Visiting Lecturer in Mathematics	February–July 2004
PROFESSIONAL CONSULTING	<b>Latino Decisions</b> , Chief Statistician	January 2012–present
HONORS	Winner, American Statistical Association Student Paper Competition, Sponsored by Government Statistics, Social Statistics, and Survey Research Methods Sections, \$600 Award, January 2007	
	Award for Outstanding Honors Thesis in Latin American Studies, for “Communities of Populations in Resistance of Guatemala: Birth and Evolution of a Social Movement,” Brown University, Dept. of Latin American Studies, May 1995	
	Phi Beta Kappa, Brown University, May 1995	

## BIBLIOGRAPHY

### PEER-REVIEWED ARTICLES, PROCEEDINGS, & CHAPTERS

1. Gross, J.H. and J.M. Jansa. 2017. "Relational Concepts, Measurement, and Data Collection." *The Oxford Handbook of Political Networks*. ed. J.N. Victor, A.H. Montgomery, and M. Lubell. Oxford University Press.
2. Gross, J.H. and K.T. Johnson. 2016. "Twitter Taunts and Tirades: Negative Campaigning in the Age of Trump." *PS: Political Science & Politics*. 49(4), 748-754.
3. Card, D., J.H. Gross, A.E. Boydston and N.A. Smith. 2016. "Analyzing Framing through the Casts of Characters in the News." In *Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP 2016)*, Austin, TX.
4. Card, D., A.E. Boydston, J.H. Gross, P. Resnik, and N.A. Smith. 2015. "The Media Frames Corpus: Annotations of Frames Across Issues." In *Proceedings of the Annual Meeting of the Association for Computational Linguistics (ACL 2015)*, Beijing, China.
5. Gross, J.H. 2015. "Testing What Matters (If You Must Test at All): A Context-Driven Approach to Substantive and Statistical Significance." *American Journal of Political Science*. 59(3), 775-788.
6. Kirkland, J.H. and J.H. Gross. 2014. "Measurement and Theory in Legislative Networks: The Evolving Topology of Congressional Cooperation." *Social Networks*. 36:97-109.
7. Gross, J.H. and D. Manrique-Vallier. 2014. "A Mixed-Membership Approach to the Assessment of Political Ideology from Survey Responses." In *Handbook of Mixed Membership Models and Their Applications*. Chapman and Hall/CRC Press.
8. Ringe, N., J.N. Victor and J.H. Gross. 2013. "Keeping Your Friends Close and Your Enemies Closer? Information Networks in Legislative Politics." *British Journal of Political Science*. 43(03):601-628.
9. Sim, Y., B.D.L. Acree, J.H. Gross and N.A. Smith. 2013. "Measuring Ideological Proportions in Political Speeches." In *Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP 2013)*, Seattle, WA.

### BOOK CHAPTERS

1. Gross, J.H. and I. Cuevas-Molina. Forthcoming, 2018. "Latino Influence and the 2016 Presidential Election: Beyond All or Nothing." *The Latino Vote in the 2016 Election*, ed. G. Sanchez, R. Ramirez, and L. Fraga. East Lansing Michigan: Michigan State University Press.
2. Gross, J.H. and M. Barreto. 2015. "Latino Influence and the Electoral College: Assessing the Probability of Group Relevance." In *The Latino Vote in the 2016 Election*, ed. G. Sanchez. East Lansing Michigan: Michigan State University Press.

3. Barreto, M., G. Segura, L. Collingwood, J.H. Gross and F. Pedraza. 2014. "A 'Decisive Voting Bloc' in 2012." In *Latino America: How Americas Most Dynamic Population is Poised to Transform the Politics of the Nation*, ed. M. Barreto and G. Segura. Public Affairs Books.

#### OTHER PUBLICATIONS

1. Gross, J.H., C.R. Shalizi and A. Gelman. 2012. "Review Symposium: A Discussion of Tim Groseclose's *Left Turn: How Liberal Media Bias Distorts the American Mind*." *Perspectives on Politics*.10(03):775–779.
2. Gross, J.H. and J.H. Kirkland. 2011. "Legislative Networks." In *The Encyclopedia of Social Networks.*, ed. G.A. Barnett. Sage Press.

#### UNDER REVIEW

Acree, B.D.L., J.H. Gross, A. Boydston, Y. Sim, and N.A. Smith. "Etch-a-Sketching: Testing the Post-Primary Moderation Hypothesis."

#### PAPERS IN PREPARATION

"Putting the Ideas Back in Ideology: Toward the Empirical Study of American Ideologies as Folk Philosophies." With D. Barney and K.T. Johnson

"Clustering the Conservative Commentariat: Emerging Idea Coalitions the American Right."

"Partners, Rivals, Boosters: A Multilevel Analysis of Cosponsorship in U.S. Senate Delegations." With J.H. Kirkland.

"Probabilistic Dictionary Construction for Content Analysis." With K.T. Johnson and D. Barney.

*The Rise of the Commentariat: Ideological Communicators, Folk Philosophers, & Frame Merchants* (Book Project)

#### INVITED PRESENTATIONS

Gross, J.H. "Latino Voting Power: Beyond All or Nothing." Symposium: Latinos in the 2016 Election. University of Notre Dame, December 2016.

Gross, J.H. "A Mixed Membership Approach to the Assessment of Values, Beliefs, and Ideology." Depts. of Political Science and Statistics. Iowa State University. February 2015.

Gross, J.H. "Avoiding Oversimplification in Typological Representation of Values and Beliefs." Pew Research Center. February 2015.

Gross, J.H. “Constructing Idea-oriented Measures of Ideology in Text.” Dept. of Political Science, Penn State University. January 2015.

Gross, J.H. “Building Idea-oriented Measures of Ideology in Text.” Dept. of Political Science, University of Massachusetts–Amherst. November 2014.

Gross, J.H. “The Measurement of Ideological Proportions in Text.” Dept. of Statistics, Indiana University. December 2013.

Gross, J.H. “Measuring Ideological Proportions in Political Speeches.” Dept. of Statistics, Duke University. October 2013.

Gross, J.H. “The Ideology-etch-a-sketch (IDEaS) Model: Inferring Ideological Profile from Key Phrases.” Political Methodology Research Seminar, Princeton University. February 2013.

Gross, J.H. “Toward a Unified Model of Framing in Opinion Media: A Bag-of-Memes Approach.” Department of Political Science and Public Administration, University of North Carolina at Charlotte. September 2012.

Gross, J.H. Netroots Nation 2012. “Latino Vote Matters: Immigration, Power, and an Interactive Look at the Map” Video: [http://www.netrootsnation.org/nn\\_events/nn-12/2012-latino-vote/](http://www.netrootsnation.org/nn_events/nn-12/2012-latino-vote/)

#### SELECTED REFEREED ORAL PRESENTATIONS

Gross, J.H. “Clustering the Commentariat: Identifying Idea Communities on the American Right.” APSA Political Communications Pre-Conference, San Francisco, CA, August 2017.

Gross, J.H. “Network Clusters of Thought Leaders on the American Right.” Political Networks Conference and Workshops, Columbus, OH, June 2017

Gross, J.H., J. Box-Steffensmeier, D. Lazer, J. Hadden, G. Koger, and J.N. Victor. “The Upsides and Downsides of Studying Politics as Networks.” Roundtable, American Political Science Association Annual Meeting, Philadelphia, PA, September 2016.

Gross, J.H. “The Emergence of Negative Campaigning On Twitter: Evolution of A Signed Network During The 2016 GOP Nomination Contest.” International Network for Social Network Analysis, Sunbelt XXXVI Conference, Newport Beach, CA, April 2016.

Gross, J.H. “Opinion Leaders of the American Right: An Affective Network.” Southern Political Science Association Annual Meeting, San Juan, P.R., January 2016.

Gross, J.H. “A Survey Instrument Design Approach to the Analysis of Texts.” Individual Presentation, Society for Political Methodology, 31st Annual Summer Meeting, Athens, GA, July 2014.

Gross, J.H. and A. Sentementes. “Measuring the Ideological Foundations of U.S. Public Opinion Leaders: A New Method for Analyzing Texts.” Contributed Panel Presentation, *Ideology and Political Theory*. ISPP Annual Meeting, *Ideologies and Ideological Conflict: The Political Psychology of Belief Systems*. Rome, Italy, July 2014.

Gross, J.H., B. Acree, Y. Sim and N.A. Smith. “Testing the Etch-a-Sketch Hypothesis: A Computational Analysis of Mitt Romney’s Ideological Makeover During the 2012 Primary vs. General Elections.” Contributed Panel Presentation, *Political Communication: Etch-a-Sketches and Ethos*:

*Examinations of Strategic Presidential Rhetoric.* American Political Science Association Annual Meeting, Chicago, IL, August 2013.

Gross, J.H. “‘American’ Ideology and the Claim of Hispanic Distinctiveness: A Latent Class Comparative Analysis.” Contributed Panel Presentation, *The Latino Electorate: Shaping Politics Today and Tomorrow.* Midwest Political Science Association Annual Meeting, Chicago, IL, April 2013.

Gross, J.H. “Latino Influence on the Presidential Election 2012: The Role of Uncertainty and the Electoral College.” Invited Panel Presentation, *The Latino Vote in the 2012 Swing States.* Western Political Science Association Annual Meeting, Hollywood, CA, March 2013.

Gross, J.H. and D. Manrique Vallier. “A Mixed-Membership Approach to the Assessment of Political Ideology from Survey Responses.” Individual Presentation, Society for Political Methodology, 29th Annual Summer Meeting, Chapel Hill, NC, July 2012.

Gross, J.H. “Latent Class and Mixed-Membership Models for Accommodating Diversity Among Survey Respondents.” Contributed Panel Presentation. American Political Science Association Annual Meeting, Seattle, WA, September 2011.

Gross, J.H. “Integrating Substantive and Statistical Significance (or How to Test Social Science Hypotheses if You Must).” Individual Presentation, Society for Political Methodology, 28th Annual Summer Meeting, Princeton, NJ, July 2011.

Gross, J.H. “Latent Class and Mixed-Membership Models for Accommodating Diversity Among Survey Respondents.” Contributed Panel Presentation, *Frontiers of Political Methodology.* European Political Science Association Inaugural Meeting, Dublin, Ireland, June 2011.

Gross, J.H., Ringe, N., and Victor, J.N. “Inter-office Staff Communication in the European Parliament: Homophily and Voting Patterns as Network Predictors.” Contributed Panel Presentation. Southern Political Science Association Annual Meeting, New Orleans, LA, January 2011.

Gross, J.H. “Clustering Methods for Political Science: Historical Perspective and What Lies Ahead.” Invited Talk. Classification Society Annual Meeting, St. Louis, MO, June 2010.

Gross, J.H. “If you Liked S.Amdt. 982, You Might Also Enjoy...: Congressional Cue-taking through Pattern Recognition.” Contributed Poster Presentation. Annual Meeting of the Society for Political Methodology, New Haven, CT, July 2009.

Gross, J.H. “Cosponsorship in the U.S. Senate—A Multilevel Model for Detecting the Subtle Influence of Social Relational Factors on Legislative Behavior.” Topic Contributed Talk. International Network for Social Network Analysis, Sunbelt Conference, St. Petersburg, FL, January 2008.

Gross, J.H. “Cosponsorship in the U.S. Senate—A Mixed Effects Approach to Detecting the Subtle Influence of Social Relational Factors.” Student Paper Award Session Contributed Talk. American Statistical Association, Sections of Government Statistics, Social Statistics, and Survey Research Methods. Joint Statistical Meetings, Salt Lake City, UT, August 2007.

TEACHING  
ACTIVITIES

*Undergraduate Coursework*

POLISCI 290B American Political Ideologies: Left, Right, and Beyond, UMass (Fall 2017)  
POLISCI 391FPH Framing Public Policy and the News, UMass (Fall 2015, Spring 2017)  
POLISCI/LEGAL 297V Weighing the Evidence: Reasoning Under Uncertainty, UMass (Spr 2016)  
POLI 089 Ideological Roots of Contemporary Political Commentary, UNC (Spr 2015)  
POLI 181/281 Quantitative Research in Political Science, UNC (Spr 2010, 2011, 2014, 2015)

*Graduate Coursework*

POLISCI 797AA Intro to Quantitative Analysis, UMass (Fall 2015, 2016, 2017; Spring 2018)  
POLISCI 791EA Empirical Analysis of Ideologies (Spring 2017)  
POLI 783 Statistics I, UNC (Fall 2010, 2011, 2012, 2013, 2014)  
POLI 788 Applied Statistics and Data Analysis, UNC (Fall 2010, 2011, 2012, 2013, 2014)  
POLI 891 Social and Political Network Analysis, UNC (Spring 2011, 2013)  
POLI 891 Measurement and Latent Variables, UNC (Spring 2014)

*Workshops*

Latent Variable Analysis in R (Factor Analysis, IRT, LCA), ISSR, UMass–Amherst (2017)  
Intro to Social Network Analysis, ISSR, UMass–Amherst (2015, 2016)  
Intro to Social Network Analysis, The Odum Institute, UNC–Chapel Hill (2013)

GRANTS

Co-Principal Investigator. \$60,000. May 2016–April 2017. “Whats The Angle? Disentangling Perspectives from Content in the News.” Bloomberg Data Science Research Grant, Bloomberg Labs. With Noah Smith, Philip Resnik, and Amber Boydston. (Co-PI allotment: \$5000.)

Co-Principal Investigator. \$38,540. July 2015–September 2016. “Collaborative: Data-Driven, Computational Models for Discovery and Analysis of Framing.” IIS Social-Computational Systems Program, National Science Foundation. (Note: Grant transferred to UMass-Amherst, from original \$169,540)

Recipient, Junior Faculty Development Award. \$7500. January–December 2013. UNC-Chapel Hill.

Co-Principal Investigator. \$749,976. September 2012–August 2015. “Collaborative: Data-Driven, Computational Models for Discovery and Analysis of Framing.” IIS Social-Computational Systems Program, National Science Foundation. With Noah Smith (CMU), Amber Boydston (UC-Davis), and Philip Resnik (Maryland) (Co-PI allotment: \$169,540.)

Principal Investigator. \$10,000. June 2011–May 2012. “An Interdisciplinary Approach to Computational Politics and Policy.” Arts and Sciences Grant for Interdisciplinary Research, UNC-CH. With Peter Mucha (Math), Shankar Bhamadi (Statistics & Operations Research) and John Scott (Public Policy).

Principal Investigator. \$13,989. June 2011–May 2012. Social Science Seed Grant for Multidisciplinary Research, The Latane Fund of the College of Arts and Sciences and the Odum Institute for Research in Social Science, UNC-Chapel Hill. With Shankar Bhamadi and John Scott.

Recipient, Conference Travel Award. \$500. June 2011. Center for Global Initiatives (CGI), UNC-Chapel Hill. Travel to Dublin, Ireland for EPSA conference.

PROFESSIONAL  
ACTIVITIES

*Service to Professional Organizations*

- Political Networks Section (APSA), Communications Chair, 2014–present
- Society of Political Methodology, Long Range Planning Committee

### *Thesis Committees*

- Dissertation committees: **two** students, Computer Science, UMass–Amherst; **fourteen** students, University of North Carolina at Chapel Hill
- Master’s thesis committee: **five** students, University of North Carolina at Chapel Hill
- Undergraduate thesis committee: **one** student, UMass–Amherst

### *Editorial Boards*

- *Statistics, Politics, and Policy*, 2011–2013
- *State Politics and Policy*, 2011–2013

### *Referee*

- *American Political Science Review*
- *American Journal of Political Science*
- *European Journal of Political Science*
- *Proceedings of the National Academies of Science (PNAS)*
- *Political Analysis*
- *Journal of Politics*
- *Journal of Communication*
- *Journalism & Mass Communication Quarterly*
- *Annals of Applied Statistics*
- *Statistics & Public Policy*
- *Journal of Artificial Intelligence*
- *Congress & the Presidency*
- *Legislative Studies*
- *Political Behavior*
- *Public Choice*
- *Political Science Research and Methods*
- *American Politics Review*
- *Research and Politics*
- *European Journal of Sociology*
- *Collabra*
- *Policy Studies*
- CRC/Chapman and Hall Statistics Text Series
- Sage, Pub. Methodology Texts

### *Conference Program Committee*

- International Conference on Computational Social Science (IC2S2), 2017
- Southern Political Science Association, Political Networks Section Chair

### *Panel Discussant*

- Connecting Elites: The Role of Network Structures in Elite-Level Politics, APSA Annual Meeting, 2017
- Interest Groups and Legislative Networks, SPSA Annual Meeting, 2016
- APSA Annual Meeting, 2014
- Methodological Innovations in Network Data and Analysis, APSA Annual Meeting, 2013
- PolMeth XXX, 2013
- Political Discussion Networks, MPSA Annual Meeting, 2013
- Skepticism (Causal Inference), APSA Annual Meeting, 2011
- Network Centrality, SPSA Annual Meeting, 2012
- Networks and Public Opinion, APSA Annual Meeting, 2010
- Methodological Advances in the Study of Institutions, MPSA Annual Meeting, 2009
- Methodological Advances in the Study of Legislatures, MPSA Annual Meeting, 2008